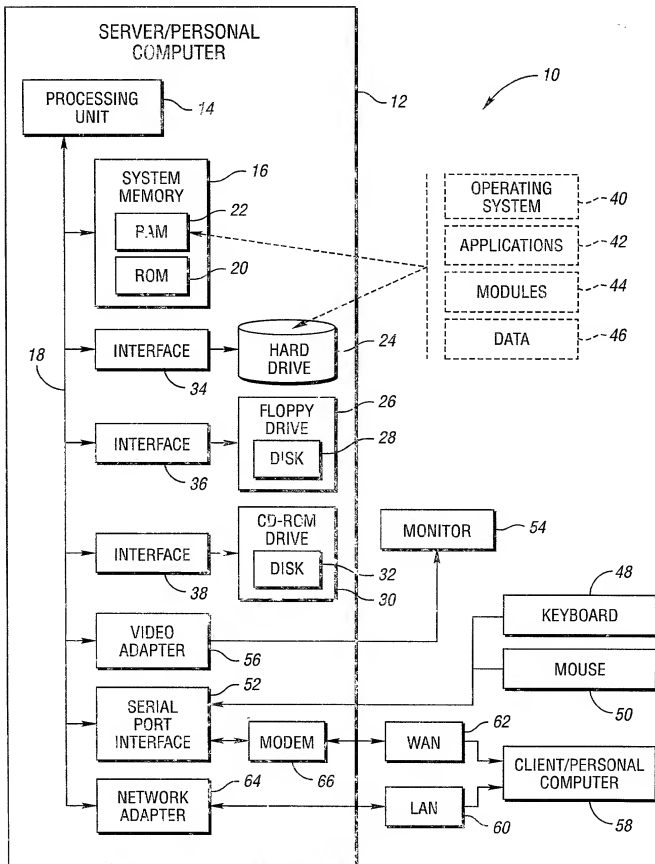


Title: **COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION**

First Named Inventor: **John M. Flack**

Application Serial No.: **10/036,202** / Atty. Docket No.: **MTS 0102 PUS**

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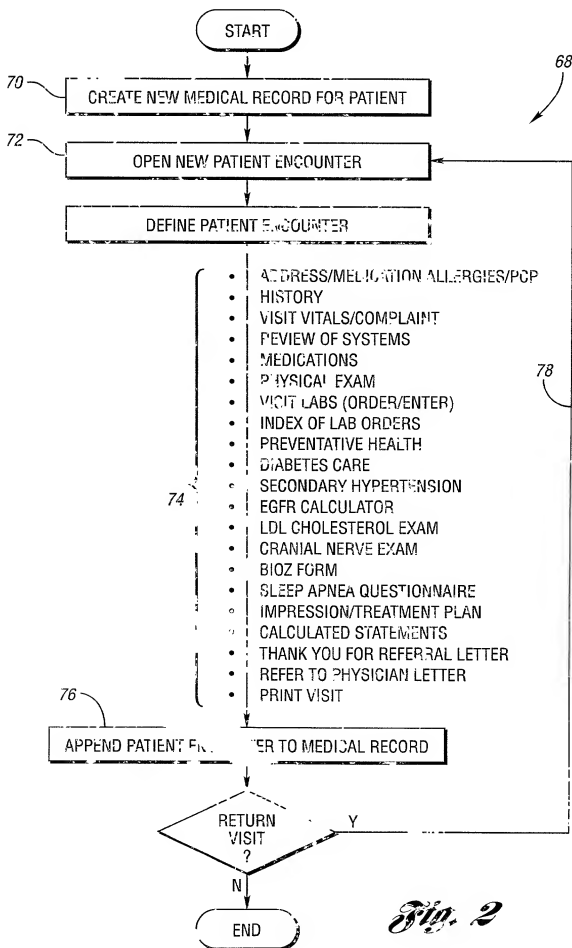
*Fig. 1*

Title: **COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION**

First Named Inventor: **John M. Slack**

Application Serial No.: **10/036,202** / Atty. Docket No.: **MTS 0102 PUS**

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*Fig. 2*

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Title: COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION

First Named Inventor: John M. Flack

Application Serial No.: 10/036,202 / Atty. Docket No.: MTS 0102 PUS

202210'20293001

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105

107

103

106

104

102

Pat. Enc. Summ.

Patient: Doe, John SSN: 123-12-1234

New Visit / Encounter to Add: Select Lab Visit:

View Encounter Type: Contact Date:

☐ Initial Visit 01/03/1999

(most current visit listed first)

☐ Telephone 12/12/2000

☒ Return 11/02/2000

☐ Telephone 10/16/2000

☐ Telephone 10/09/2000

☐ Telephone 10/07/2000

☐ Emergency Room 09/23/2000

☐ Telephone 09/10/2000

☐ Telephone 06/24/2000

☐ Telephone 06/23/2000

☐ Return 01/21/2000

☐ Nurse 01/11/2000

Address / Medication Allergies / PCP

BioZ Form

Calculated Statement:

Cranial Nerve Exam

Diabetes Care

EGFR Calculator

History

Impression: / Treatment Plan

Index of Lab Orders

LDL Cholesterol Goal

Medications

Physical Exam

Preventive Health

Refer To Physician Letter

Review of Systems

Secondary Hypertension

Sleep Apnea Questionnaire

Thank You for Referral Letter

Visit Labs (Order / Enter)

Visit Vitals / Complaint

Print Visit

Delete Visit

Close

Fig. 4

5/21

202210-2029E001

MedTrace

File Edit Insert Reports Window Add to list Medication Table Treatment Algorithms View Summary Help

Patient History

Patient Name: John Doe  
SSN: 123-45-6789

Unlock/Edit History Outline Changed Fields Close

Block Pressors Cardiovascular/Renal Family/Personal History (Non-Drug Allergies)

Yes ☒ Hypertension

Hypertension Diagnosed Date: [ ] (non-formatted date field)

Duration of hypertension: [ ] years

Highest known systolic blood pressure: [ ] mm Hg

Highest known diastolic blood pressure: [ ] mm Hg

# ER visits for hypertension: [ ] (non-formatted date field)

Last ER visit for hypertension: [ ] (non-formatted date field)

# hospitalizations for HTN: [ ] (non-formatted date field)

Last hospitalization for hypertension: [ ] (non-formatted date field)

How many times per week do you forget to take your Bp medication: [ ]

Fig. 5

112

6/2/

Initial Visit Form [Comprehensive]

Patient: Doe, John

SSN: 123-12-1234

Date of Visit: 01/03/1999

Presenting Complaint: Problem List Visit Vitals

Check Sheet

144

134

Problems: Select from drop-down list choices here or use "Check Sheet"

Problems:	Comments:	Yes-Resolved, No-Continues:
Hypertension		
Dyspnea on Exertion	~1 block, probable cause empty/sema	
Asthma		
*		

Other Problems: Enter free text in this section for problems not available above

Problems (free text)	Comments:	Yes-Resolved, No-Continues:
Hypertension		
Dyspnea on Exertion		
Asthma		
Asthma		

140

142

130

Fig. 6

7/27

Initial Visit Form [Comprehensive]

Patient: Doe, John

SSN: 123-12-1234

Date of Visit: 01/03/1999

Presenting Complaint Problem List Visit Vitals

Height (in): 65 Weight (lb): 166.5 BMI (kg/m<sup>2</sup>): 24.6 Pulse(bpm): 74 Regular ☒ Irregular ☐

Respirate (in): 18 Temp (F): 98.6 Arm to be used for visit BP: Right

Cuff to be used for visit BP: Large adult

Seated Blood Pressure:

Systolic	Diastolic	Arm
155	95	Left
160	98	Right

Standing Blood Pressure:

Systolic	Diastolic	Arm
144	88	Left
144	88	Right

Open BP Trend Graph

BP Summary

Left Arm 154 Right Arm 156

148

152

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Fig. 7

8/27

Initial Visit Form: [Comprehensive]

Close

Visit data indicates that the patient is NOT AT GOAL  
Blood Pressure

Goal Blood Pressure Less Than: 130/85

Avg SBP this visit: 138.0  
Avg DBP this visit: 80.0  
Avg MAP this visit: 99.3

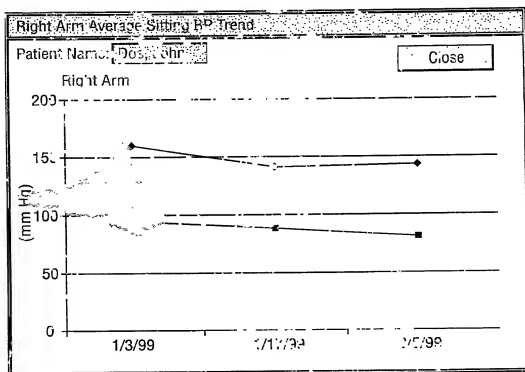
Change in average Pressure (mmHg) from Previous Visit

	1/17/99	2/5/99	BP Change
Systolic:	140.0	138.0	= -2.0
Diastolic:	88.0	80.0	= -8.0
Mean Arterial (MAP):	105.3	99.3	= -6.0

Section is blank if Initial Visit or when no data is available  
for the arm selected

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Fig. 8



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Fig. 9



Title: COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION

First Named Inventor: John M. Flack

Application Serial No.: 10/036,202 / Atty. Docket No.: MTS 0102 PUS

9/27

Review of Systems

Patient: [Name] [Address] [City] [State] [Zip]

SSN: 1234

Review Date: 9/27

Unlock/Edit Form: [Button]

This Form is Currently Unlocked

Neurological  
Constitutional

Respiratory  
Hematologic/Lymphatic

GI  
Allergic/Immunologic

Psychiatric  
Musculoskeletal

Reproductive  
Integumentary

Findings:

Exercise Tolerance

Out of breath after walking a short distance

Comment (free text):

172

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Fig. 10

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Title: **COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION**

First Named Inventor: John M. Flack

Application Serial No.: 10/036,202 / Atty. Docket No.: MTS 0102 PUS

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Fig. 11

Medication Form

Patient: Doe, John  
SSN: 123-12-1234

Open Medication Summary Print Prescriptions Close

Medication	Dose	Frequency	Start Date	Stop Date	Prior Vt	Cont	#Refills	#Pills/Vials
Megl. caps	10	10	01/01/1996		Yes	Yes		
ACE Inhibitor	10	10	06/15/1998		Yes	Yes	5	66
Acetaminophen	10	10	11/08/2000		Yes	Yes		

Combination Medication Entry Tool

Enter combination medication info, and click the Append to Medication List button.

Combination Medication: Frequency: Start Date: Stop Date: Prior Vt: Cont: (required) (required)

Append to Patient Medication List

Title: COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION

First Named Inventor: John M. Flack

Application Serial No.: 10/036,202 / Atty. Docket No.: MTS 0102 PUS

11/27

202240-2029E001

Physical Impression and Plan:

Patient: Doe, John  
SSN: 123-12-1234  
Date: 01/03/1999

General | HEENT | Neck | Lung | Heart | Musculoskeletal | Abdomen | Neuro | Breasts | Skin | Extremities | Racial

Close

Abnormal

Abnormal Lung Findings:

rales: equal R and L  
Dullness to percussion  
rales L>R  
rales R/L  
rales-basilar  
rales equal R and L  
frontal  
wheze-bilateral  
wheze-end-inspiratory

Other Lung Findings (free text):

Involves one-quarter posterior lung fields bilaterally

Fig. 12

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Title: COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION

First Named Inventor: John M. Flack

Application Serial No.: 10/036,202 / Atty. Docket No.: MTS 0102 PUS

12/21

202240\*2029E001

Visit Lab Orders

Patient: Doe, John  
SSN: 123-12-1234  
Date of Visit: 01/03/1999

Close  
Open Lab Visit for this Order

Lab Orders

Current Lab C.T. Unit

Urine Albumin  
Crea (Serum)  
24hr Blood Pressure Monitor

Order Checked Labs

Order Canceled

Order Checked Labs

CBC  
Cholesterol  
CK  
CPK  
Crea (Serum) ☒  
CT scan-Head  
Dietary: 1800 ADA Diet  
Dietary: 2 gram sodium diet  
Dietary: 2000 ADA Diet  
Dietary: 2200 ADA Diet  
Dietary: 1800 ADA Diet

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Fig. 13

Title: COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION

First Named Inventor: John M. Fiack

App. Serial No.: 10/036,202 / Atty. Docket No.: MTS 6102 PUS

13/27

202210120298001

Lab Form:

Patient: Doe, John  
SSN: 123-12-1234  
Date: 01/03/1999

Blood Results:  Urine Results:  Echocardiogram:

Reference Range:  Calculated Diagnostics/Comments:

**BLOOD TEST RESULTS**

Fasting:	<input type="text"/>	(mmol/L)	<input type="text"/>
Sodium:	<input type="text"/>	(mmol/L)	135 - 145
Potassium:	<input type="text"/>	(mmol/L)	3.5 - 5.3
Chloride:	<input type="text"/>	(mmol/L)	96 - 110
Carbon Dioxide:	<input type="text"/>	(mmol/L)	23 - 33
BUN:	<input type="text"/>	(mg/dl)	7 - 26
Creatinine:	<input type="text"/>	(mg/dl)	0.6 - 1.2
Glucose:	<input type="text"/>	(mg/dl)	70 - 110
Bun/Crea ratio:	<input type="text"/>	(mg/dl)	7 - 20
Anion Gap:	<input type="text"/>	(mmol/L)	5 - 20
Bilirubin, Direct:	<input type="text"/>	(mg/dl)	0.0 - 0.4
Bilirubin, Indirect:	<input type="text"/>	(mg/dl)	0.0 - 0.8
Calcium:	<input type="text"/>	(mg/dl)	8.2 - 10.6

EGFR: 52.0  
(110-126 : Impaired fasting glucose)

Fig. 14

216

216

14/2'7

Physical Impression and Plan	
<b>Order Date:</b> <input type="text" value="01/03/1999"/>	<b>Delete This Order</b> <input type="button" value="Close"/>
<b>Ordering Physician:</b> <input type="text" value="Flick, John M."/>	<b>Order Lab Tests From Sheet</b> <input type="button" value="Open Lab Visit for this Order"/>
<b>Labs Available</b> <input type="button" value="ReOrder Data"/>	
<b>Tests Ordered:</b>	<b>Status</b>
<input type="checkbox"/> Wt/Bt Abnormal	<input checked="" type="checkbox"/> Done <input type="checkbox"/> Not Done
<input type="checkbox"/> Gra (Serum)	<input checked="" type="checkbox"/> Done <input type="checkbox"/> Not Done
<input type="checkbox"/> Zym Blood Pressure Monitor	<input checked="" type="checkbox"/> Done <input type="checkbox"/> Not Done
<input type="checkbox"/> Lipid Profile	<input checked="" type="checkbox"/> Done <input type="checkbox"/> Not Done
<input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> Done <input type="checkbox"/> Not Done

224 { **Records:**      of 1

226 **Fig. 15**  
 220

Fig. 15

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Secondary HTN		<div style="border: 1px solid black; padding: 2px; display: inline-block;">Close</div>	
Patient: Doe, John SSN: 1233-12-1234		<div style="border: 1px solid black; padding: 2px; display: inline-block;">         Reticular Hyperplasia    Hyperaldosteronism    Pheochromocytoma    Cushing's Syndrome    Hyperthyroidism/Hypothyroidism       </div>	
<div style="border: 1px solid black; padding: 5px;"> <b>Renovascular Test:</b>    <b>Test Date:</b>    <b>Diagnosis:</b>    <b>Diag Date:</b>    <b>Actions Taken / Findings:</b>  <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">           ▶ Captopril Renogram    <b>Location:</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">           *    <b>Location:</b> </div> </div>		<div style="border: 1px solid black; padding: 5px;"> <b>Left Kidney:</b>            PSV LRA Origin:    <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div>    (&lt;180 cm/sec)            PSV LRA Mid:    <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div>    (&lt;180 cm/sec)            PSV LRA Distal:    <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div>    (&lt;180 cm/sec)            RT Renal/Aortic Ratio:    <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div>    (&gt;3)            Left Kidney         </div>	
<div style="border: 1px solid black; padding: 5px;"> <b>Lab Date:</b> 01/03/1999  <b>Right Kidney:</b>            PSV RRA Origin:    <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div>    (&lt;180 cm/sec)            PSV RRA Mid:    <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div>    (&lt;180 cm/sec)            PSV RRA Distal:    <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div>    (&lt;180 cm/sec)            RT Renal/Aortic Ratio:    <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div>    (&gt;3)            Right Kidney         </div>		<div style="border: 1px solid black; padding: 5px;">           Record: <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div> 1    <div style="display: inline-block; text-align: center;">             ◀ ▶ ⏪ ⏩           </div> of 2         </div>	

Fig. 16

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Title: COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION

First Named Inventor: John M. Flack

Application Serial No.: 10/036,202 / Atty. Docket No.: MTE 9102 PUS

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202240\*20296001

EGFR Calculator

Patient: Doe, John  
SSN: 1234-12-1234

Close

Always verify that the information below is accurate!

Age:	175	(yr)
Sex:	Male	<input checked="" type="checkbox"/>
Height:	69.0	(in)
Weight:	172.0	(lb)
Serum Creatinine:	1.6	(mg/dl)

236

EGFR 39.3

Note: Although the data is imported from the patient record, field changes made on this form are NOT stored in the patient record.

Fig. 17

234



<b>LDL Cholesterol</b>		Close	
Patient: Doe, John SSN: 1233-12-1234			
Always verify that the information below is accurate!			
<b>Goal LDL: Less than or equal to 100 mg/dl</b>		<div style="position: relative; height: 150px;"> <span style="position: absolute; top: -20px; left: 50%; transform: translateX(-50%); font-weight: bold;">2x</span> </div>	
Age*	<input type="text" value="75"/>		
Sex*	<input checked="" type="radio"/> Male	<input type="radio"/> Female	
Family Hx of CHD*	<input type="checkbox"/> No	<input type="checkbox"/> Yes	
Smoking *	<input type="checkbox"/> No	<input type="checkbox"/> Yes	
Hypertension*	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
CHL	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Diabetes*	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
HDL*	<input type="text" value="60"/> mg/dl	<input type="text" value="150"/> mg/dl	
LDL*	<input type="text" value="150"/> mg/dl	<input type="text" value="150"/> mg/dl	
* require, field if CHD is No			
LDL / HDL Lab Results Summary			
	<b>VDATE</b>	<b>FASTING</b>	<b>LDL</b>
	<input checked="" type="checkbox"/> 01/03/1999	<input type="checkbox"/> Yes	150
			<b>HDL</b>
			60

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Impression / Treatment		Close	
Patient: Doe, John SSN: 1233-12-1234 Visit Date: 1/3/99		Lab Orders Urine Albumin Creatinine (Serum) 24hr Blood Pressure Monitor	
Impression Treatment Plan		Order Lab Tests From Sheet Open Calculated Statements	

244 {

245 {

252 {

Impression:

Gentleman with ESRD on peritoneal dialysis with HTN of unknown duration. His symptoms of dyspnea on moderate exertion point to the need to screen for systolic and diastolic heart dysfunction and, if systolic dysfunction is present, to consider combined hypertensive and ischemic cardiomyopathy. I suspect that he has some peripheral arterial disease and mild claudication symptoms. He is currently impotent, a problem likely secondary to his hypertension and radiation treatment for prostate cancer. Atherosclerosis also may be playing a role in his impotence. His cerebellar dysmetria is possibly linked to remote ETOH intake. Some of his breathlessness also may relate to primary pulmonary disease. Combined systolic and diastolic hypertension in a significantly overweight patient.

246 {

247 {

248 {

Other Visit Impressions for Patient

Blood pressure elevation in a significantly overweight person who is not currently adhering to any lifestyle modifications and also discussed the long-term need for blood pressure medications if pressure levels do not come down.

Combined systolic and diastolic hypertension in a significantly overweight patient.

Consider possible sleep apnea, since patient is overweight and also gives Hx of snoring at night.

Diet is likely a problem by the patient's own admission.

Excellent blood pressure control, patient is at goal.

Excellent blood pressure response, however, still above goal. Patient has seen a dietitian and is on a low-fat, low-salt diet.

250 {

251 {

252 {

**Fig. 19**

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Title: **COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION**

First Named Inventor: **John M. Flack**

Application Serial No.: **10/036,202** / Atty. Docket No.: **MTS 0102 PUS**



19/27

Impression / Treatment Plan		Close	
<b>Patient:</b> Doe, John <b>SSN:</b> 1233-12-1234 <b>Visit Date:</b> 1/3/99		Order Lab Tests From Sheet Open Calculated Statements	
<b>Lab Orders</b> Urine Albumin Creat (Serum) 24hr Blood Pressure Monitor			
Impression	Treatment Plan		
<b>Impression:</b> Renal artery duplex scan, stress echocardiogram, start Norvasc 2.5 mg Q day, EKG, and review his labs and serum TSH. Will continue treatment with Viagra for his impotence if he does not have easily induced coronary ischemia or stress echocardiography.			
Other Visit Impressions (c) for Patient		Preformatted Statements (A)	Preformatted Statements (B)
Return to clinic in 2-3 weeks.			
Return to clinic in 3 months.			
Return to clinic in 4-6 months.			
Return to clinic in 4-6 weeks.			
The patient is being referred to the dietitian for a 2 gram sodium, low-fat, low-cholesterol diet.			
Will check Jutes BUN and creatinine on return.			

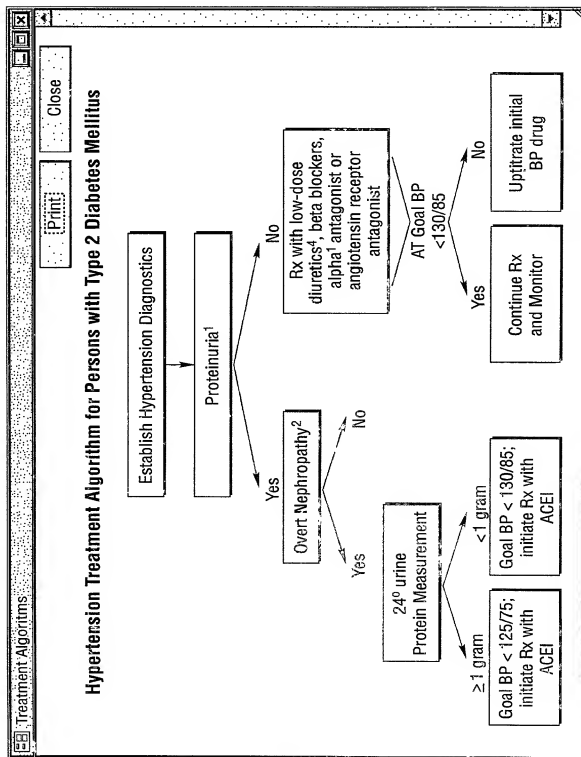
*Fig. 20*

20/27

202210-2029001

Diagnostic Subform	
 <b>Calculated Statements</b> 	
Meets criteria for HTN based on diabetes, CHF, CRI, and SBP at least 130 or DBP at least 85 or on antihypertensive meds.	
It is prudent to wait ~4 to 6 weeks prior to titrating antihypertensive medications to maximize BP lowering and to minimize drug-related side effects.	
Meets criteria for impaired fasting glucose based on lab results.	
For patients with ED: 1) If hypertensive, avoid thiazide diuretics, beta blockers (particularly older ones), and central adrenergic inhibitors. Favor use of alpha blockers. 2) Consider sildenafil (Viagra).	
Preventive: Patients 50 years and older should have colonoscopy if primary relative has colorectal cancer and every 5 years after 2 negative exams.	
Preventive: Patients 40 years and older should have stool checked for occult blood.	
Due to history of sulfa drug allergy, avoid thiazide diuretics or use them with caution.	
Due to history of CHF, avoid use of thiazolidinediones and metformin.	
In estimative with ASA sensitivity, non-acetylated salicylates (Trilisate, Disalcid, etc.) are less likely to cause serious bronchospasm & anaphylactoid reactions. However, these reactions may occur with any NSAID.	

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*Fig. 22*

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202240\*2029E001

Title: **COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION**

First Named Inventor: **John M. Flack**

Application Serial No.: **10/036,202** / Atty. Docket No.: **MTS 0102 PUS**

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Possible Allergic Reactions!

Close

THERE MAY BE POTENTIAL ALLERGIES TO THE FOLLOWING  
CURRENTLY PRESCRIBED MEDICATION(S)!

HCTZ

Allergy category

Sulfa Antibiotic

Recommendation

Close

It is prudent to wait -4 to 6 weeks prior to titrating antihypertensive medications to  
maximize BP lowering and to minimize drug-related side effects.

Close

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*Fig. 23*

Title: **COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION**

First Named Inventor: **John M. Flack**

Application Serial No.: **10/036,302** / Atty. Docket No.: **MTS 3102 PUS**

23/27

Referred Letter Form

Wayne State University  
Internal Medicine

Re: **DOE, JOE A.**  
Med Rec#: **123-12-1234**

November 15, 2000

**REFERRING PHYSICIAN INFORMATION**

First Name: **John** Address: **4201 St. Antoine, Suite 7A**  
 MI: **A** Address2: **University Health Center**  
 Last Name: **Salameler** City: **Detroit**  
 Degrees: **MD** State: **MI**  
 Phone: **(313) 745-8000** Zip: **48201**  
 Fax: **(313) 745-5545** Carman's:  
 Email: **jsalameler@intmed.wayne.edu**

Dear Dr. Salameler,

Thank you very much for your kind referral of John Doe DOB 3/5/1925, for evaluation. Attached is a copy of my clinic note.

**IMPRESSION:**

Gentleman with ESRD on peritoneal dialysis with HTN of unknown duration. His symptoms of dyspnea on moderate exertion point to the need to screen for systolic and diastolic heart dysfunction and, if systolic dysfunction is present, to consider combined hypertensive and ischemic cardiomyopathy. I suspect that he has some peripheral arterial disease and mild claudication symptoms. He is currently impotent, a problem likely secondary to his hypertension and radiation treatment for prostate cancer. Atherosclerosis also may be playing a role in his impotence. His cerebellar dysmetria is possibly linked to remote ETCH intake. Some of his breathlessness also may relate to primary pulmonary disease.

**PROBLEMS:**

Problem	Comments	Resolved
<input checked="" type="checkbox"/> Hypertension		
<input type="checkbox"/> LVH		
<input type="checkbox"/> Pulmonary hypertension		
<input type="checkbox"/> End Stage Renal disease (ESRD)		
<input type="checkbox"/> Dyspnea on Exertion	-1 block, probable cause emp. system	

**ADDITIONAL PROBLEMS:**

Problem	Comments	Resolved
<input checked="" type="checkbox"/> Mild global dysfunction: EF 45-50%		
<input type="checkbox"/> Valvular heart disease: mild AI, MR		

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*Fig. 24*

Title: **COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION**

First Named Inventor: **John M. Flack**

Application Serial No.: **10/036,222** / Atty. Docket No.: **MTS 0102 PUS**

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202210-20293001

Referral Letter Form		<input type="button" value="Print"/> <input type="button" value="Close"/>	
Wayne State University Internal Medicine		Re: <b>DOE, JOE A.</b> Med Rec#: <b>123-12-1234</b>	
November 14, 2000			
Physician Directory: <input type="text"/>	<input type="button" value="Append Selected Physician"/>		
<b>REFER TO:</b>			
Physician Name: <input type="text"/> <b>Fredrick</b> <input type="text"/> <b>Smith</b> <input type="text"/> <b>MD</b> <small>First Last Degrees (MD, MPH)</small>			
Address 1: <input type="text"/> <b>123 3rd Ave.</b> <input type="text"/> <b>Detroit</b> <input type="text"/> <b>MI</b> <input type="text"/> <b>48201</b> <input type="text"/> <b>(313) 555-8823</b> <small>City State Zip Fax</small>		Address 2: <input type="text"/> <b>Suite 4A</b> <input type="text"/> <b>MD</b> <input type="text"/> <b>MD</b> <small>Address 2 City State Zip Fax</small>	
Dear Dr. Smith, I am referring this patient to you for . . . have included my visit notes.			
<b>IMPRESSION:</b> Gentleman with ESRD on peritoneal dialysis with HTN of unknown duration. His symptoms of dyspnea on moderate exertion point to the need to screen for systolic and diastolic heart dysfunction and, if systolic dysfunction is present, to consider combined hypertensive and ischemic cardiomyopathy. I suspect that he has some peripheral arterial disease and mild claudication symptoms.			
Rec'd: <input type="text"/> <b>1</b> <input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="First"/> <input type="button" value="Last"/> <input type="button" value="Cancel"/>		of 1 (Filtered)	

*Fig. 25*

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Title: COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION

First Named Inventor: John M. Flack

Application Serial No.: 10/036,202 / Atty. Docket No.: MTS 0102 PUS

25/27

202240\*2029E001

Print Request		Close	
Patient: Doe, John			
SSN: 123-12-1234			
Visit Selected: 01/03/1999			
Print Menu	Preview	PDF	Print
Patient History	no		
Review of Systems	no		
Preventive Health/Sleep Apnea	no		
Current Medication	no		
Full Medication List	no		
Visit History/Problems/Complaint	no		
Physician Recommendation/Plan	no		
Diabetes (A1C)	no		
Secondary Hypertension Summary	no		
BioZ (plethysmography)	no		
MedTrace Calculated Comments	no		
Print Thank You Letter to Referring Doctor			
Print Visit Report			

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Fig. 26

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Title: COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT  
HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION

First Named Inventor: John M. Flack

Application Serial No.: 10/036,305 / Atty. Docket No.: MTS 0102 PUS

26/27

202240'2029E001

MedTrace

File Edit Insert Records Window Add To list Medication Table Treatment Algorithms View Summary Help

Referral Letter Form

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University Health Center  
4201 St. Antoine, Suite 4C  
Detroit MI 48201  
(313) 966-0635  
(313) 745-3563  
jflack@intmed.wayne.edu

Close

Record: 26 of 95

Fig. 27

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Title: **COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR MANAGING PATIENT HEALTHCARE AND EVALUATING PATIENT KIDNEY FUNCTION**

First Named Inventor: **John M. Flack**

Application Serial No.: **10/036,232** / Atty. Docket No.: **MTS 0102 PUS**

27/27

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**Clinical Administrative Report**

Physician Provider

☐ All ☐ Physician A ☐ Physician B ☐ Physician C ☐ Physician D

Age (years)

Thru  ☐ All Ages

Time Period

Month  Thru  Month  Year  Thru  Year

Race/Ethnicity

☐ All Race/Ethnicity ☐ White ☐ African American ☐ Hispanic ☐ Native American ☐ Asian/Pacific ☐ Other

Report Variables

☐ % Visits at or Below JNC-V1 ☐ % Attaining Goal BP ☐ Average Number of Follow-Up Visits ☐ Average Number of Baseline Hypertensive Medications ☐ Average Number of Follow-Up Anti-Hypertensive Medications ☐ Average Pretreatment Blood Pressure ☐ Average Blood Pressure Reduction From Baseline

Sex

☐ Men ☐ Women ☐ Both

**Fig. 28**